Commander's Environmental Management Review Board (CEMRB) MCIPAC/ MCB Butler

December 2012

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PE

Environmental Officer

Agenda

- MCIPAC and Installation-Level Environmental Management Systems (EMS)
- Current Status of EMS
- MCIPAC Environmental Policy Statement
- Status of FY12 Objectives and Targets (Butler)
- FY13 Objectives and Targets (MCIPAC)
- Upcoming Environmental Compliance Evaluations
- Current Environmental Compliance Status
- How Commanders Can Help

MCIPAC and Installations

- MCIPAC EMS
  - MCIPACO 5090.1 EMS
  - MCIPAC Environmental Policy Statement
  - Annual Management Review (CEMRB)
- Installation-Level EMS (Butler, Iwakuni, Fuji, Mujuk, Hawaii)
  - Risk Ranking
  - Objectives and Targets
  - Operational Controls (SOPs, etc)
  - Checking and Corrective Action (ECEs)
  - Cross Functional Teams and Senior Management Review

MCIPAC EMS Status

- MCAS Futenma
  - Included in the MCB Butler EMS
- MCB Hawaii
  - Fully implemented EMS since 2007
- MCAS Iwakuni
  - Fully implemented EMS since 2007
- CATC Camp Fuji
  - Initially included in MCBJ EMS, but in 2010 decided to develop their own EMS
  - Not fully implemented yet
- Camp Mujuk
  - EMS not yet implemented
  - MCB Butler /MCIPAC staff will assist

MCB Butler EMS Status

- MCB Butler EMS was one of the four highlighted EMS Success stories in the 2011 DoD Strategic Sustainability Performance Plan
- EMS fully implemented since 2007
- MCB Butler EMS currently in conformance with Marine Corps standards
  - Minor non-conformance self-reported in FY12 for Spill Plans
- Major updates were completed in FY12
  - MCIPAC EMS requirements
  - New web-based tracking systems required by MCICOM
  - Policy, EMS Manual, SOPs, and base orders all updated
  - Risk ranking revised

MCIPAC Environmental Policy Statement

- Signed in Dec 2011
- Translated into Japanese and Korean
- Installations in Japan and Korea will not be required to have a separate policy
- To comply with Marine Corps Order, MCB Hawaii must maintain an installation-level policy that commits to cleanup of contaminated sites
- Policy was reviewed in October 2012 by MCIPAC EMS Core Team
  - No updates required at this time

MCB Butler
FY12 EMS Objectives

Objective 1: Reduce the impact of solid waste generation	
Target	Status
Divert 50% of non-hazardous solid waste from the waste stream by FY15 (FY12 Target: 44%)	Exceeded FY11 target Achieved a 59% diversion
Divert 60% of construction and demolition debris from the waste stream by FY15 (FY12 Target: 54%)	Data not collected Working with ROICC and Army Corps to obtain better data next year

MCB Butler
FY12 EMS Objectives

Objective 2: Reduce electricity use in buildings	
Target	Status
Reduce energy intensity of facilities by 37.5% by FY20 using FY03 as baseline (FY12 Target: 3% reduction from FY11)	Did not achieve target 0.8% reduction from FY11

MCB Butler
FY12 EMS Objectives

Objective 3: Reduce vehicle air emissions and fuel consumption	
Target	Status
Reduce use of petroleum products by vehicle fleets by 30% by FY20 using 2005 as baseline (FY12 Target: 3% from FY11)	Exceeded FY11 target Achieved a 4.8% reduction

MCB Butler
FY12 EMS Objectives

Objective 4: Reduce the impact of HAZMAT storage and usage	
Target	**Status**
Reevaluate the HAZMAT Authorized Use List (AUL) process	Target achieved. Lean Six Sigma project completed to reduce disposal of expired HAZMAT. New AUL approval form was developed. AUL committee was formed to review and approve AUL requests. Nearly 50% reduction in expired HAZMAT was achieved.

MCB Butler (Proposed)
FY13 EMS Objectives & Targets

Objective	Target
1. Reduce the impact of solid waste generation	1. Divert 60% of non-hazardous solid waste from the waste stream in FY13 2. Divert 60% of construction and demolition debris from the waste stream by FY15 (FY13 Target: 56%)
2. Reduce electricity use in buildings	Reduce energy intensity of facilities by 37.5% by FY20 using FY03 as baseline (FY13 Target: 3% reduction from FY12)
3. Reduce vehicle air emissions and fuel consumption	Reduce use of petroleum products by vehicle fleets by 30% by FY20 using 2005 as baseline (FY13 Target: 3% from FY12)
4. Reduce hazardous material usage and hazardous waste disposal	Implement Hawker battery reuse program

FY13 EMS Objectives & Targets
MCB Hawaii

Objective	Target
1. Reduce Solid and Hazardous Waste Generated	Reduce antifreeze waste disposal cost by 50% (baseline: 2009). Reduce Hawker battery purchase (cost avoidance) by 25% (baseline: 2009).
2. Improve Energy Efficiency	Reduce energy intensity by 30% by the end of FY 2015 (baseline: FY2003).
3. Reduce Petroleum Fuel Consumption	Increase use of non-petroleum-based fuel by 30% annually (baseline: FY2005).

FY13 EMS Objectives & Targets
MCAS Iwakuni

Objective	Target
1. Improve storm water quality on the Air Station	Target 1: Redirect washing operations for Fire Department to the sanitary sewer by installing either a portable pumping system or facilitating use of existing wash rack areas. Target 2: Redirect charity vehicle washing operations to the sanitary sewer by installing a portable catchment and pumping system at the Commissary.
2. Improve HCP program	Specific targets not yet determined but will likely include AUL procedures, management of hazmat at units, and management of hazmat at Hazmin Center.

FY13 EMS Objectives & Targets
CATC Camp Fuji

Objective	Target
1. Reduce the impact of solid waste generation	1. Divert 50% of non-hazardous solid waste from the waste stream by FY15 (FY13 Target: 30%)
2. Reduce electricity use	Reduce energy intensity of facilities by 37.5% by FY20 using FY03 as baseline (FY13 Target: 3% reduction from FY12).
3. Reduce vehicle fuel consumption and air emissions	Reduce use of petroleum products by vehicle fleets by 20% by FY20 using 2011 as baseline (FY13 Target 3% from FY12)
4. Reduce impacts of leaks and spills from vehicle operations	Reinforce and inspect procedures requiring spill kits in all government vehicles and notify the incoming Marines how to respond to spills and handle the hazardous waste.

Environmental Compliance Evaluation (ECE)

- Conducted by MCICOM on 3-year cycle
  - Camp Butler and MCAS Futenma - 23 Jan – 8 Feb 2013
  - Camp Mujuk 11 – 15 Feb 2013
  - MCB Hawaii 25-29 March 2013
  - MCAS Iwakuni 7 - 11 Apr 2014
  - CATC Camp Fuji 14-18 Apr 2014
- Purpose: Assess environmental compliance status and recommend appropriate corrective/preventive actions or improvements

MCIPAC Environmental Compliance Status

- All Installations
  - Several Environmental plans need to be updated
- MCB Butler
  - Qualified Recycle Program (QRP) not in compliance with DoD guidance because recyclables are collected with QRP resources
  - Overall tank management issues
- MCB Hawaii
  - Funding needed to maintain compliance in Hawaii:
    - Federal and State UST regulations will soon be revised. Revision may require upgrade or removal of underground storage tanks
    - Revised storm water and wastewater treatment plant permits may have more stringent requirements requiring equipment or facility upgrades

MCIPAC Environmental Compliance Status

- MCAS Iwakuni
  - Replacement of backflow prevention devices
  - Tracking new emergency generators and fuel tanks as DPRI construction continues
  - HAZMAT Program program needs improvement, especially inventory management and excess HAZMAT wasted out – bringing HMMS to station will pose challenges as well
- CATC Camp Fuji
  - No centralized HAZMAT management system
  - No adequate HAZMAT/hazardous waste storage area
- Camp Mujuk
  - Environmental programs in place, but not fully developed
  - Recently hired an Environmental Protection Specialist to move forward with the program

Common Unit-Level Deficiencies

- HAZMAT deficiencies
  - No labels on containers
  - MSDSs don't match HAZMAT being used
- Hazardous waste (HW) deficiencies
  - Open containers of HW
  - No secondary containment for liquid HW
  - Unknown HW in containers
  - Containers were not in good condition
- Solid waste deficiencies
  - Recyclables mixed with trash
  - Waste batteries mixed with trash

Root Cause

- Environmental staffing shortages
  - Hiring freeze
  - Environmental billets moved to other sections
- New requirements
  - MCIPAC
  - Construction
  - Updated laws in U.S.
  - MCICOM requirements

How Commanders Can Help

- Communicate Environmental Policy
- Support objectives and targets and EMS Teams
- Emphasize the following to your units:
  - Maintain clean, well managed hazardous material storage and hazardous waste accumulation areas
  - Clean small spills quickly; call 911 for large spills
  - Properly dispose of all waste prior to deployment
  - Support recycling program in living and work areas, especially in barracks
  - Conserve energy & water at work and barracks
- Maintain close contact with your camp/station environmental staff

Questions?